

**Flood Control Project Maintenance
Levee Inspections**

Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

ST0020	Overall LMA Rating	Total LMA Miles						
Sutter Maintenance Yard East-West Interceptor	U	4.79						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	2.00		2.00	41.75%	0.02			
Trim / Thin Trees	0.50		0.50	10.44%				
Encroachments	0.13		0.13	2.71%	0.43			
Erosion / Bank Caving	0.49	0.03	0.61	12.73%				
<i>Rivers, Channels & Designated Floodways</i>								
Erosion / Bank Caving		0.01	0.04	0.83%				
<i>Supplemental</i>								
DWR UCIP Field Study					0.14			
<i>LMA Totals:</i>	3.12	0.04	3.28	68.46%	0.59	0.00	0.00	0.00

Unit No. 01 West Levee RB	Overall Unit Rating	Total Unit Miles						
ST0020	U	1.75						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.40		0.40	22.91%	0.02			
Trim / Thin Trees	0.49		0.49	28.07%				
Encroachments	0.01		0.01	0.57%	0.13			
Erosion / Bank Caving	0.02	0.03	0.14	8.02%				
<i>Rivers, Channels & Designated Floodways</i>								
Erosion / Bank Caving		0.01	0.04	2.29%				
<i>Supplemental</i>								
DWR UCIP Field Study					0.02			
<i>Unit Totals:</i>	0.92	0.04	1.08	61.86%	0.17	0.00	0.00	0.00

Unit No. 02 East Levee LB	Overall Unit Rating	Total Unit Miles						
ST0020	U	3.05						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	1.60		1.60	52.54%				
Trim / Thin Trees	0.01		0.01	0.33%				
Encroachments	0.12		0.12	3.94%	0.30			
Erosion / Bank Caving	0.47		0.47	15.43%				
<i>Supplemental</i>								
DWR UCIP Field Study					0.12			
<i>Unit Totals:</i>	2.20	0.00	2.20	72.24%	0.42	0.00	0.00	0.00

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Fall 2016 Levee Inspection Results

Sutter Maintenance Yard East-West Interceptor

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
† Overall LMA Rating (Fall Only)			U	

** Non-receipt of Summer or Winter Inspection
Reports may effect overall annual rating.

† SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2016 Levee Inspection Results

Sutter Maintenance Yard East-West Interceptor

Waterway			Bank	Unit Miles
Unit No. 01 West Levee			Right	1.75
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	3/17/2016 - 3/17/2016		11/2/2016 - 11/2/2016	
DWR Inspector	Keith Millard		Tariq Chechi	
Accompanied By	Steve Beckley Sutter Maintenance Yard		Steve Beckley Sutter Maintenance Yard	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Sutter Maintenance Yard East-West Interceptor

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	1.75	11/02/2016 11/02/2016	Tariq Chechi

LM Start		Rating **	A	Issue No.	9
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals			°	
				°	
DWR ID	DWR_NA0020_01_s_2013_9				
Comment Code					
Inspector Comment					
The LMA has the O&M manuals.					

No Photos

LM Start		Rating **	A	Issue No.	10
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment			°	
				°	
DWR ID	DWR_NA0020_01_s_2013_10				
Comment Code					
Inspector Comment					
The LMA has adequate flood fight supplies and equipment.					

No Photos

LM Start		Rating **	A	Issue No.	11
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training			°	
				°	
DWR ID	DWR_NA0020_01_s_2013_11				
Comment Code					
Inspector Comment					
The LMA completed flood fight training in 2016.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Sutter Maintenance Yard East-West Interceptor

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Sutter Maintenance Yard East-West Interceptor

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	1.75	11/02/2016 11/02/2016	Tariq Chechi

LM Start	0.23	Rating **	M	Issue No.	2 (cont)	
LM End	0.25	Issue Type +	En	Location *	CR	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Vegetation			39.171418 °		39.171408 °
				-121.755963 °		-121.755578 °
DWR ID	DWR_NA0020_01_s_2012_2					
Comment Code						
V6 : Landscaping						
Inspector Comment						
Remove the cactus and pine trees from the waterside berm.						

Photo 2 of 2 : FA_2016_ST0020_213_2_20160823_00002.jpg



Another view of the cactus and pine trees along the waterside berm.

LM Start	0.36	Rating **	C	Issue No.	23
LM End	0.36	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.171450 °	39.171450 °
				-121.754058 °	-121.754058 °
DWR ID	DWR_NA0020_01_f_2013_23				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove the prunings from the waterside berm.					

No Photos

LM Start	0.43	Rating **	M	Issue No.	14
LM End	0.43	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.171422 °	39.171422 °
				-121.751978 °	-121.751978 °
DWR ID	DWR_ST0020_01_f_2016_14				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove the tree limb from the waterside.					

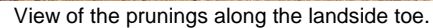
Photo 1 of 1 : FA_2016_ST0020_213_14_20161107_00018.jpg



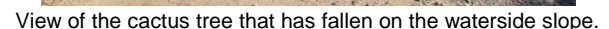
View of a fallen limb.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Sutter Maintenance Yard East-West Interceptor



No Photos

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Sutter Maintenance Yard East-West Interceptor

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	1.75	11/02/2016 11/02/2016	Tariq Chechi

LM Start	0.62	Rating **	U	Issue No.	4
LM End	0.65	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.171292 °	39.171232 °
				-121.748868 °	-121.748175 °
DWR ID	DWR_NA0020_01_s_2012_4				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Repair the erosion along the concrete ditch.					

Photo 1 of 2 : FA_2016_ST0020_213_4_20160823_00005.jpg



View the erosion along the concrete ditch.

LM Start	0.62	Rating **	U	Issue No.	4 (cont)
LM End	0.65	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA_2016_ST0020_213_4_20161107_00020.jpg



Another view the erosion along the concrete ditch.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Sutter Maintenance Yard East-West Interceptor

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	1.75	11/02/2016 11/02/2016	Tariq Chechi

LM Start	0.89	Rating **	M	Issue No.	26
LM End	0.89	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.171317 °	39.171317 °
				-121.743474 °	-121.743474 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:50325
DS_ID:19417
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 4/19/2016 Meter has been removed from the power box and the power lines have been disconnected from the pole and pump. Appears this crossing may have been abandoned.5/12/2015 Crossing appears in good condition. No noticeable issues to report.11/17/2014 Same as last inspection.5/12/2014 Same as last inspection.11/4/2013 Same as last inspection.5/15/2013 Same as last inspection.
FIELD_STRUCT_DESC: 12-inch steel irrigation pipe crosses over canal above crown elevation. Chain link enclosure on the landside (LS) with pump, power line, and shutoff valve. 24-inch concrete standpipe on unprotected side of canal. [Additional Reference(s): DWR Levee Log, Revised 1990]
FS Date: 10/12/2016 7:47:42 AM

LM Start	0.89	Rating **	M	Issue No.	26 (cont)
LM End	0.89	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP_FA_2016_50325_11344.jpg



Pump, meter, power pole, slide gate, and chainlink fence on LS with 24-inch concrete standpipe on unprotected side of canal.

Photo 2 of 2 : UCIP_FA_2016_50325_74963.jpg



Meter removed from box and disconnected power lines

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Sutter Maintenance Yard East-West Interceptor

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	1.75	11/02/2016 11/02/2016	Tariq Chechi

LM Start	0.94	Rating **	M	Issue No.	16
LM End	0.98	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.171333 °	39.171333 °
				-121.742577 °	-121.741827 °
DWR ID	DWR_ST0020_01_f_2016_16				
Comment Code					
FE : Fence					
Inspector Comment					
Ask the landowner to remove the fence.					

Photo 1 of 1 : FA_2016_ST0020_213_16_20161107_00021.jpg



View of an unauthorized fence by a landowner.

LM Start	0.94	Rating **	M	Issue No.	17
LM End	0.98	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.171333 °	39.171333 °
				-121.742577 °	-121.741827 °
DWR ID	DWR_ST0020_01_f_2016_17				
Comment Code					
CR : Crops					
Inspector Comment					
Ask the landowner to remove the nut trees.					

Photo 1 of 1 : FA_2016_ST0020_213_17_20161107_00022.jpg



View of the nut trees planted by a landowner.

LM Start	1.06	Rating **	C	Issue No.	13
LM End	1.06	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.171360 °	39.171360 °
				-121.747381 °	-121.747381 °
DWR ID	DWR_ST0020_01_s_2016_13				
Comment Code					
AV : Abandoned vehicles					
Inspector Comment					
Water truck on w/s slope with tire stuck in soft soil leaning toward channel, and 2005 DMV registration.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			

Sutter Maintenance Yard East-West Interceptor

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Sutter Maintenance Yard East-West Interceptor

Sutter Maintenance Yard East-West Interceptor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Sutter Maintenance Yard East-West Interceptor

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	1.75	11/02/2016 11/02/2016	Tariq Chechi

LM Start	1.65	Rating **	U	Issue No.	6 (cont)	
LM End	1.65	Issue Type +	Ma	Location *	WS	
Category	Rivers, Channels & Designated Floodways			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			39.171132 °	39.171132 °	
				-121.729312 °	-121.729312 °	
DWR ID	DWR_NA0020_01_s_2012_6					
Comment Code						
Inspector Comment						
Sutter Yard needs to repair the erosion before winter.						

Photo 2 of 2 : FA_2016_ST0020_213_6_20160823_00008.jpg



Repair the erosion along the waterside slope.

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2016 Levee Inspection Results

Sutter Maintenance Yard East-West Interceptor

Waterway			Bank	Unit Miles
Unit No. 02 East Levee			Left	3.05
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	3/17/2016 - 3/17/2016		11/2/2016 - 11/2/2016	
DWR Inspector	Keith Millard		Tariq Chechi	
Accompanied By	Steve Beckley Sutter Maintenance Yard		Steve Beckley Sutter Maintenance Yard	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Sutter Maintenance Yard East-West Interceptor

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	11/02/2016 11/02/2016	Tariq Chechi

LM Start	0.00	Rating **	M	Issue No.	11
LM End	0.26	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.171116 °	39.171101 °
				-121.726501 °	-121.721857 °
DWR ID	DWR_NA0020_02_s_2012_11				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2016_ST0020_214_11_20161107_00045.jpg



View of the annual grass along the landside slope.

LM Start	0.03	Rating **	M	Issue No.	24
LM End	0.25	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.171152 °	39.171160 °
				-121.725937 °	-121.721673 °
DWR ID	DWR_ST0020_02_f_2016_24				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2016_ST0020_214_24_20161107_00046.jpg



View of the annual grass along the waterside slope.

LM Start	0.20	Rating **	C	Issue No.	25
LM End	0.20	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.171130 °	39.171130 °
				-121.722654 °	-121.722654 °
DWR ID	DWR_ST0020_02_s_2016_25				
Comment Code					
DE : Debris					
Inspector Comment					
Discarded box freezer on landside.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			

Sutter Maintenance Yard East-West Interceptor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Sutter Maintenance Yard East-West Interceptor

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	11/02/2016 11/02/2016	Tariq Chechi

LM Start	0.31	Rating **	M	Issue No.	32
LM End	0.47	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.171050 °	39.171077 °
				-121.720542 °	-121.717735 °
DWR ID	DWR_ST0020_02_f_2016_32				
Comment Code					
FW : Firewood					
Inspector Comment					

Photo 1 of 1 : FA_2016_ST0020_214_32_20161107_00048.jpg



View of the firewood along the landside toe.

LM Start	0.39	Rating **	M	Issue No.	33
LM End	0.39	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.171067 °	39.171067 °
				-121.719217 °	-121.719217 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:50335 DS_ID:19425 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/11/2016 Abandoned crossing.(DWR Sutter Yard - afreitag)4/19/2016 Abandoned crossing.5/12/2015 Abandoned crossing.11/17/2014 Same as last inspection.5/12/2014 Same as last inspection.11/4/2013 Same as last inspection.5/15/2013 Same as last inspection.10/16/2012 Pipe and pump abandoned. Pipe should be removed or properly abandoned. FIELD_STRUCT_DESC: 8-inch galvanized iron irrigation pipe through the levee, 2 feet below the crown. 7.5 Horsepower (HP) pump located in canal on the waterside (WS). [Additional Reference(s): DWR Levee Log, Revised 1990. USACE Sacramento O&M Manual 135, revision May 1953, page 11, Location Section 12, As-builts Drawing No. 50-10-2816.] FS Date: 10/12/2016 8:12:30 AM					

Photo 1 of 2 : UCIP_FA_2016_50335_11363.jpg



Pipe on LS slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Sutter Maintenance Yard East-West Interceptor

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	11/02/2016 11/02/2016	Tariq Chechi

LM Start	0.39	Rating **	M	Issue No.	33 (cont)	
LM End	0.39	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.171067 °	39.171067 °	
				-121.719217 °	-121.719217 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:50335 DS_ID:19425 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/11/2016 Abandoned crossing.(DWR Sutter Yard - afreitag)4/19/2016 Abandoned crossing.5/12/2015 Abandoned crossing.11/17/2014 Same as last inspection.5/12/2014 Same as last inspection.11/4/2013 Same as last inspection.5/15/2013 Same as last inspection.10/16/2012 Pipe and pump abandoned. Pipe should be removed or properly abandoned. FIELD_STRUCT_DESC: 8-inch galvanized iron irrigation pipe through the levee, 2 feet below the crown. 7.5 Horsepower (HP) pump located in canal on the waterside (WS). [Additional Reference(s): DWR Levee Log, Revised 1990. USACE Sacramento O&M Manual 135, revision May 1953, page 11, Location Section 12, As-builts Drawing No. 50-10-2816.] FS Date: 10/12/2016 8:12:30 AM						

Photo 2 of 2 : UCIP_FA_2016_50335_11362.jpg



Pump platform on LS slope.

LM Start	0.53	Rating **	M	Issue No.	28
LM End	0.53	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.171028 °	39.171028 °
				-121.716475 °	-121.716475 °
DWR ID	DWR_ST0020_02_s_2016_28				
Comment Code					
DE : Debris					
Inspector Comment					
Tires and tree clippings on w/s crown.					

Photo 1 of 1 : FA_2016_ST0020_214_28_20161107_00049.jpg



View of the tires along the waterside berm.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Sutter Maintenance Yard East-West Interceptor

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	11/02/2016 11/02/2016	Tariq Chechi

LM Start	0.55	Rating **	M	Issue No.	2
LM End	1.42	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.171002 °	39.170770 °
				-121.716293 °	-121.699987 °
DWR ID	DWR_NA0020_02_s_2012_2				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Remove the vegetation from both slopes.					

Photo 1 of 1 : FA_2016_ST0020_214_2_20161107_00050.jpg



View of the vegetation on both slopes.

LM Start	0.65	Rating **	M	Issue No.	29
LM End	0.65	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.171033 °	39.171033 °
				-121.714398 °	-121.714398 °
DWR ID	DWR_ST0020_02_s_2016_29				
Comment Code					
DE : Debris					
Inspector Comment					
Mattress and tree clippings on landside.					

No Photos

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Sutter Maintenance Yard East-West Interceptor

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	11/02/2016 11/02/2016	Tariq Chechi

LM Start	0.74	Rating **	M	Issue No.	44
LM End	0.74	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.170989 °	39.170989 °
				-121.712650 °	-121.712650 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:50336 DS_ID:19426 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/11/2016 Abandoned crossing.(DWR Sutter Yard - afreitag)4/19/2016 Abandoned crossing.5/12/2015 Abandoned crossing. Needs to be properly abandoned.11/17/2014 Same as last inspection.5/12/2014 Same as last inspection.11/4/2013 Same as last inspection.5/15/2013 Same as last inspection.10/16/2012 Pumping plant abandoned. Pipe abandoned and only visible at bottom of concrete standpipe. Pipe needs to be abandoned properly. FIELD_STRUCT_DESC: 12-inch galvanized iron irrigation pipe through the levee 6 feet below the crown. 10 Horsepower (HP) pump in the canal and power pole located on the waterside (WS). 36-inch concrete standpipe located on the landside (LS) shoulder. [Additional Reference(s): DWR Levee Log, Revised 1990. USACE Sacramento O&M Manual 135, May 1953, page 11, Location Section 19, As-builts Drawing No. 50-10-2816] FS Date: 10/12/2016 8:16:33 AM					

LM Start	0.74	Rating **	M	Issue No.	44 (cont)
LM End	0.74	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_FA_2016_50336_11391.jpg



Concrete standpipe on LS shoulder.

Photo 2 of 2 : UCIP_FA_2016_50336_11390.jpg



Powerpole on WS shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Sutter Maintenance Yard East-West Interceptor

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	11/02/2016 11/02/2016	Tariq Chechi

LM Start	1.33	Rating **	C	Issue No.	30
LM End	1.33	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.170814 °	39.170814 °
				-121.701573 °	-121.701573 °
DWR ID	DWR_ST0020_02_s_2016_30				
Comment Code					
DE : Debris					
Inspector Comment					
Trash/debris pile on waterside berm.					

No Photos

LM Start	1.43	Rating **	M	Issue No.	3
LM End	1.52	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.170782 °	39.170865 °
				-121.700167 °	-121.698165 °
DWR ID	DWR_NA0020_02_s_2012_3				
Comment Code					
DE : Debris					
Inspector Comment					
Remove the broken concrete.					

Photo 1 of 2 : FA_2016_ST0020_214_3_20160823_00003.jpg



View of the piles of broken concrete.

LM Start	1.43	Rating **	M	Issue No.	3 (cont)
LM End	1.52	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2016_ST0020_214_3_20160823_00004.jpg



View of the pile of broken concrete.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Sutter Maintenance Yard East-West Interceptor

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	11/02/2016 11/02/2016	Tariq Chechi

LM Start	1.54	Rating **	M	Issue No.	34
LM End	1.54	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.170847 °	39.170847 °
				-121.697888 °	-121.697888 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:50341
DS_ID:19423
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 10/11/2016 LS inlet is buried and WS flapgate is overgrown with blackberries.(DWR Sutter Yard - afreitag)4/19/2016 WS flapgate is completely overgrown with blackberries. 5/12/2015 LS inlet still buried with soil and blackberries on WS have blocked the flap gate.LS intake is filled and blocked with soil.11/17/2014 Ws outlet of pipe is overgrown and blocked from opening by blackberries. LS inlet still appears to be buried/blocked by soil.5/12/2014 Same as last inspection.11/4/2013 Same as last inspection.5/15/2013 Same as last inspection.
FIELD_STRUCT_DESC: 16-inch corrugated metal drainage pipe through the levee, 5 feet below the crown. Flap gate located on the waterside (WS) end. Landside (LS) inlet filled and blocked with soil 2012. [Additional Reference(s): DWR Levee Log, Revised 1990]
FS Date: 10/12/2016 8:32:49 AM

LM Start	1.54	Rating **	M	Issue No.	34 (cont)
LM End	1.54	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_FA_2016_50341_11406.jpg



Pipe with flapgate at outlet on WS slope.

Photo 2 of 2 : UCIP_FA_2016_50341_11405.jpg



Buried inlet 30 feet from LS shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Sutter Maintenance Yard East-West Interceptor

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	11/02/2016 11/02/2016	Tariq Chechi

LM Start	1.54	Rating **	M	Issue No.	4
LM End	2.01	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.170800 °	39.170732 °
				-121.698105 °	-121.689082 °
DWR ID	DWR_NA0020_02_s_ 2012_4				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Monitor the erosion along the waterside slope.					

LM Start	1.54	Rating **	M	Issue No.	4 (cont)
LM End	2.01	Issue Type +	Ma	Location *	WS

Photo 1 of 2 : FA_2016_ST0020_214_4_20160823_00005.jpg



View of the erosion along the waterside slope.

Photo 2 of 2 : FA_2016_ST0020_214_4_20160823_00006.jpg



View of the erosion along the waterside slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Sutter Maintenance Yard East-West Interceptor

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	11/02/2016 11/02/2016	Tariq Chechi

LM Start	1.74	Rating **	M	Issue No.	35
LM End	1.74	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.170832 °	39.170832 °
				-121.694174 °	-121.694174 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:50343 DS_ID:20119 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/11/2016 Crossing appears to be in good condition.(DWR Sutter Yard - afreitag)4/19/2016 Crossing appears to be in good condition.5/12/2015 Crossing appears in good condition. No noticeable issues to report.11/17/2014 Same as last inspection.5/12/2014 Same as last inspection.11/4/2013 Same as last inspection.5/15/2013 Same as last inspection.10/16/2012 No permit identified for crossing. FIELD_STRUCT_DESC: 5-inch aluminum drainage pipe through the levee, 1 foot below the crown. Flap gate located on the waterside (WS) with concrete headwall block on the landside (LS). No permit has been identified since crossing was field discovered in 2012. FS Date: 10/12/2016 8:42:27 AM					

LM Start	1.74	Rating **	M	Issue No.	35 (cont)
LM End	1.74	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP_FA_2016_50343_14335.jpg



pipe with flap gate on WS shoulder.

Photo 2 of 2 : UCIP_FA_2016_50343_14334.jpg



Concrete headwall on LS shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Sutter Maintenance Yard East-West Interceptor

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	11/02/2016 11/02/2016	Tariq Chechi

LM Start	1.74	Rating **	M	Issue No.	36
LM End	1.74	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.170832 °	39.170832 °
				-121.694174 °	-121.694174 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:50344					
DS_ID:20122					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 10/11/2016 Crossing appears to be in good condition.(DWR Sutter Yard - afreitag)4/19/2016 Crossing appears to be in good condition.5/12/2015 Crossing appears in good condition. No noticeable issues to report.11/17/2014 Same as last inspection.5/12/2014 Same as last inspection.11/4/2013 Same as last inspection.5/15/2013 Same as last inspection.10/16/2012 No permit identified for crossing.					
FIELD_STRUCT_DESC: 7-inch flexible high-density polyethylene (HDPE) drainage pipe through the levee, 1 foot below the crown. No permit has been identified since crossing was field discovered in 2012.					
FS Date: 10/12/2016 8:51:36 AM					

Photo 1 of 1 : UCIP_FA_2016_50344_14341.jpg



HDPE pipe on upstream side of aluminum pipe shown in picture.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Sutter Maintenance Yard East-West Interceptor

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	11/02/2016 11/02/2016	Tariq Chechi

LM Start	1.76	Rating **	M	Issue No.	37
LM End	1.76	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.170806 °	39.170806 °
				-121.693769 °	-121.693769 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:50345 DS_ID:20120 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/11/2016 Crossing appears to be in good condition. (DWR Sutter Yard - afreitag)4/19/2016 Crossing appears to be in good condition.5/12/2015 Crossing appears in good condition. No noticeable issues to report.11/17/2014 Same as last inspection.5/12/2014 Same as last inspection.11/4/2013 Same as last inspection.5/15/2013 Same as last inspection.10/16/2012 No permit identified for crossing. FIELD_STRUCT_DESC: 5-inch aluminum drainage pipe through the levee, 1 foot below the crown. Flap gate located on the waterside (WS) with concrete headwall block on the landside (LS). No permit has been identified since crossing was field discovered in 2012. FS Date: 10/12/2016 9:01:02 AM					

LM Start	1.76	Rating **	M	Issue No.	37 (cont)
LM End	1.76	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP_FA_2016_50345_14339.jpg



Pipe and flap gate on WS shoulder.

Photo 2 of 2 : UCIP_FA_2016_50345_14338.jpg



Concrete headwall on LS shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Sutter Maintenance Yard East-West Interceptor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Sutter Maintenance Yard East-West Interceptor

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	11/02/2016 11/02/2016	Tariq Chechi

LM Start	1.93	Rating **	M	Issue No.	39
LM End	1.93	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.170771 °	39.170771 °
				-121.690631 °	-121.690631 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:50348
DS_ID:20123
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 10/11/2016 Crossing appears to be in good condition.(DWR Sutter Yard - afreitag)4/19/2016 Crossing appears to be in good condition.5/12/2015 Crossing appears in good condition. No noticeable issues to report.11/17/2014 Same as last inspection.5/12/2014 Same as last inspection.5/22/2013 Erosion under pipe outlet has been repaired. Bank lined with rock to prevent future erosion.5/15/2013 Flexible pipe has been replaced with 6.5 inch steel with flap gate on WS. Erosion under WS outlet.11/4/2013 Same as last inspection.10/16/2012 No permit identified for crossing. FIELD_STRUCT_DESC: 7-inch flexible high-density polyethylene (HDPE) drainage pipe through the levee, 1 foot below the crown. Signage for crossing is visible on the landside (LS) shoulder. Outlet visible on the waterside (WS) shoulder. No permit has been identified since crossing was field discovered in 2012.
FS Date: 10/12/2016 9:10:46 AM

LM Start	1.93	Rating **	M	Issue No.	39 (cont)
LM End	1.93	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_FA_2016_50348_21743.jpg



Inlet and signage for crossing on LS shoulder.

Photo 2 of 2 : UCIP_FA_2016_50348_21742.jpg



Outlet for crossing on WS shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Sutter Maintenance Yard East-West Interceptor

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	11/02/2016 11/02/2016	Tariq Chechi

LM Start	1.97	Rating **	M	Issue No.	40
LM End	1.97	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.170754 °	39.170754 °
				-121.689815 °	-121.689815 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:50349 DS_ID:20124 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/11/2016 Crossing appears to be in good condition.(DWR Sutter Yard - afreitag)4/19/2016 Crossing appears to be in good condition.5/12/2015 Crossing appears in good condition. No noticeable issues to report.11/17/2014 Same as last inspection.5/12/2014 Same as last inspection.11/4/2013 Same as last inspection.5/22/2013 Erosion under pipe outlet has been repaired and bank lined with rock to prevent future erosion.5/15/2013 Flexible pipe has been replaced with 6.5 inch steel with flap gate on WS outlet. Erosion under WS outlet.10/16/2012 No permit identified for this crossing. FIELD_STRUCT_DESC: 7-inch flexible high-density polyethylene (HDPE) drainage pipe through the levee, 1 foot below the crown. Pipe visible on the waterside (WS) shoulder. Intake with grate visible on the landside (LS). No permit has been identified since crossing was field discovered in 2012. FS Date: 10/12/2016 9:16:04 AM					

LM Start	1.97	Rating **	M	Issue No.	40 (cont)
LM End	1.97	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_FA_2016_50349_21749.jpg



Pipe on WS shoulder.

Photo 2 of 2 : UCIP_FA_2016_50349_21748.jpg



Pipe on LS shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Sutter Maintenance Yard East-West Interceptor

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	11/02/2016 11/02/2016	Tariq Chechi

LM Start	2.03	Rating **	M	Issue No.	41
LM End	2.03	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.170708 °	39.170708 °
				-121.688572 °	-121.688572 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:50351
DS_ID:20125
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 10/11/2016 Crossing appears to be in good condition.(DWR Sutter Yard - afreitag)4/19/2016 Crossing appears to be in good condition.5/12/2015 Crossing appears in good condition. No noticeable issues to report.11/17/2014 Same as last inspection.5/12/2014 Same as last inspection.11/4/2013 Same as last inspection.5/15/2013 Same as last inspection.10/16/2012 No permit identified for this crossing.
FIELD_STRUCT_DESC: Steel fiber optic conduit through the levee at an unknown depth below the crown. Crossing is located on the east side of Township road bridge. Marker visible on east side of N. Township Drive, south of interceptor. Owner is Pacific and their contact number is 1-877-735-7366. No permit has been identified since crossing was field discovered in 2012.
FS Date: 10/12/2016 9:21:30 AM

LM Start	2.03	Rating **	M	Issue No.	41 (cont)
LM End	2.03	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_FA_2016_50351_14369.jpg



Marker on east side of N Township Drive, south of interceptor.

Photo 2 of 2 : UCIP_FA_2016_50351_14368.jpg



Closeup of marker.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Sutter Maintenance Yard East-West Interceptor

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	11/02/2016 11/02/2016	Tariq Chechi

LM Start	2.03	Rating **	M	Issue No.	42
LM End	2.03	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.170708 °	39.170708 °
				-121.688566 °	-121.688566 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:50352					
DS_ID:20126					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 10/11/2016 Crossing appears to be in good condition.(DWR Sutter Yard - afreitag)4/19/2016 Crossing appears to be in good condition.5/12/2015 Crossing appears in good condition. No noticeable issues to report.11/17/2014 Same as last inspection.5/12/2014 Same as last inspection.11/4/2013 Same as last inspection.5/15/2013 Same as last inspection.10/16/2012 No permit identified for this crossing.					
FIELD_STRUCT_DESC: Steel gas line crossing through the levee at an unknown depth below the crown. Sign visible on the landside (LS). No permit has been identified since crossing was field discovered in 2012.					
FS Date: 10/12/2016 9:24:54 AM					

LM Start	2.03	Rating **	M	Issue No.	42 (cont)
LM End	2.03	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_FA_2016_50352_14367.jpg



Gasline marker on east side of N Township Road south of interceptor

Photo 2 of 2 : UCIP_FA_2016_50352_14366.jpg



Gasline marker on east side of N Township Road North of interceptor

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Sutter Maintenance Yard East-West Interceptor

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	11/02/2016 11/02/2016	Tariq Chechi

LM Start	2.05	Rating **	M	Issue No.	43
LM End	2.05	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.170639 °	39.170639 °
				-121.688445 °	-121.688445 °
DWR ID					

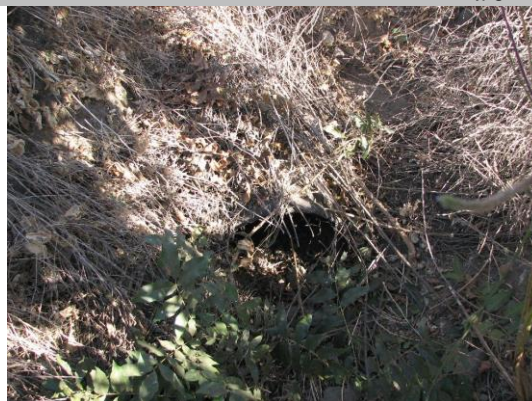
Comment Code

Inspector Comment

FS_ID:50353
DS_ID:20127
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 10/11/2016 WS flap gate is being overgrown by blackberries that could possibly hinder its operation. They should be sprayed and cleared back.(DWR Sutter Yard - afreitag)4/19/2016 Crossing appears to be in good condition.5/12/2015 Crossing appears in good condition. No noticeable issues to report.11/17/2014 Same as last inspection.5/12/2014 Same as last inspection.5/15/2013 Same as last inspection.11/4/2013 Same as last inspection.10/16/2012 No permit identified for this crossing.
FIELD_STRUCT_DESC: 18-inch asphalt coated corrugated metal drainage pipe through the levee, 6 feet below the crown. Flap gate is located on the waterside (WS). Pipe is visible on the landside (LS) toe. No permit has been identified since crossing was field discovered in 2012.
FS Date: 10/12/2016 9:27:19 AM

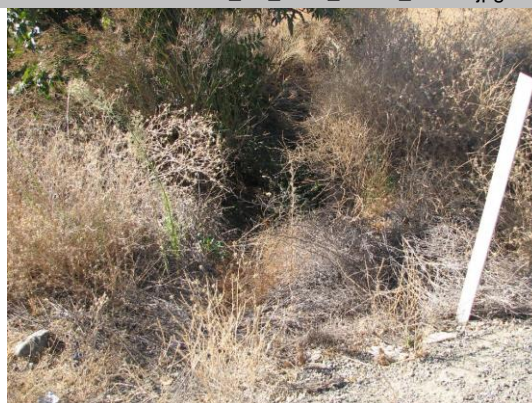
LM Start	2.05	Rating **	M	Issue No.	43 (cont)
LM End	2.05	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_FA_2016_50353_14374.jpg



Pipe on LS toe.

Photo 2 of 2 : UCIP_FA_2016_50353_14373.jpg



Location of pipe on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Sutter Maintenance Yard East-West Interceptor

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	11/02/2016 11/02/2016	Tariq Chechi

LM Start	2.11	Rating **	M	Issue No.	6
LM End	2.36	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.170515 °	39.170518 °
				-121.687342 °	-121.682658 °
DWR ID	DWR_ST0020_02_f_2016_6				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2016_ST0020_214_6_20161107_00051.jpg



View of the annual grass along the landside slope blocking visibility.

LM Start	2.71	Rating **	M	Issue No.	10
LM End	2.71	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.170548 °	39.170548 °
				-121.675970 °	-121.675970 °
DWR ID	DWR_NA0020_02_s_2012_10				
Comment Code					
MA : Material					
Inspector Comment					
Remove the lumber, garbage and equipment from the landside toe.					

Photo 1 of 1 : FA_2016_ST0020_214_10_20160823_00010.jpg



View of the material, garbage, and equipment along the landside toe

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement